

Figure 5 is a cross-sectional view taken along lines ~~A-A~~ of Figure 54.

## PREFERRED EMBODIMENTS OF THE INVENTION

Without any intent to limit the scope of this invention, reference is made to the figures in describing the preferred embodiments of the invention.

Referring to Figures 1-3, a tack storage tank 1 is mounted on the chassis of a truck 2 as shown. Tank 1 is provided with fill opening 3 located at the top surface 4 of tank 1. Tack 5 is introduced into tank chamber 6 through fill opening 3. Once the desired amount of tack 5 has been placed in tank 3, fill opening 3 is sealed by cap 7 in any known conventional manner.

In soil cement applications tank 1 is also provided with one or more sealable water inlet pipe 8 to permit water to be introduced into chamber 6. At one end of pipe 8 is a connector 8A, preferably a "quick connection" connector, to which a water pipe may be connected. It is preferred that connector 8A be positioned for easy access by a person standing next to tank 1. In another preferred embodiment, a valve 8B is positioned between pipe connector 8A and the opposite end section 8C of pipe 8 positioned in tank chamber 6. More preferably, end section 8C is positioned above the tack material contained in tank chamber 6 to prevent the emulsion in tank chamber 6 from exiting through pipe 8.

Federal and state construction specifications typically require one to be able to estimate the amount of tack that has been applied to the surface 9 to be paved. To assist in making this estimation it is necessary to measure the change in volume of tack per unit distance traveled by the vehicle. Any conventional tack volume measurement apparatus can be used. One preferred embodiment provides a float 10 operatively attached to a gauge 11 coordinated to match the level "L" of the float in tank chamber 6 to the volume of tack 5 remaining in tank chamber 6. Other